
Appendix A: Minimum PC Requirements (Upgrades & Applications)

The following is the minimum PC hardware and software requirement to run MAT:

- **An IBM PC or compatible (386 or above required; 486 or Pentium is recommended) with:**
 - Minimum clock rate of 33 Megahertz
 - Minimum (1) 3 1/2-inch 1.44MB floppy disk drive
 - Microsoft DOS version 5.0 or later
 - Microsoft Windows version 3.1 or later running in enhanced mode
 - Hayes compatible modem is optional for connection to remote sites, required for polling configurations (14.4 KBPS recommended).
 - Parallel printer port
 - VGA graphics monitor with interface card
 - Windows compatible mouse
- **Available Memory Requirements**
 - MAT Station only: Minimum 4 MB RAM Required, 8 MB recommended
 - MAT Station and Traffic only: Minimum 4 MB RAM Required, 8 -16 MB recommended
 - MAT Call Accounting only: Minimum 6 MB RAM Required, 8 - 16 MB recommended
 - MAT Call Tracking only: Minimum 4 MB RAM Required

- MAT Call Accounting and Call Tracking: Minimum 8 MB RAM Required, 12-16 MB recommended for 10 or more polled sites
- MAT Station, Traffic, Call Accounting, and Call Tracking: Minimum 8 MB RAM Required, 16 MB recommended

- **Hard drive requirements**

- From the chart below, hard drive capacity requirements can be calculated for MAT applications.

Table A-1
Hard drive capacity requirements

MAT Application	Program Store	Site Data Store
Common Services (required)	7 MB	negligible
Station	1.4 MB	1.3 MB per 1,000 stations
Traffic	3.8 MB	Switch dependant: Typically 2.5 to 9 MB per month for each site's traffic data
Call Accounting	4.6 MB	1.6 MB per 10,000 records
Call Tracking	2 MB	negligible

- Virtual RAM will be required where only minimum RAM requirements are met and/or larger databases require more RAM for certain data processing functions. This requires free hard disk space.
- Disk fragmentation can occur as hard drive use nears capacity. Disk fragmentation can slow operation and also increases wear on the drive leading to shorter life span. It is recommended that a larger capacity hard disk drive is used should calculations indicate that hard disk space required is near the capacity of the drive.